

Podtyp Aquarea Hydro Split 5-7 kW STD (L Series)

Posiadacz certyfikatu	Panasonic Marketing Europe GmbH
Adres	Hagenauer Strasse 43, Wiesbaden
Kod pocztowy	65203
Miasto	Wiesbaden
Kraj	DE
Jednostka certyfikująca	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Nazwa podtypu	Aquarea Hydro Split 5-7 kW STD (L Series)
Numer rejestracyjny	011-1W0631
Typ pompy ciepła	Outdoor Air/Water
Czynnik chłodniczy	R290
Masa czynnika chłodniczego	0.96 kg
Data certyfikacji	22.05.2023
Podstawa testowania	European KEYMARK Scheme for Heat Pumps Rev. 11 (as of 2022-09)

Model WH-ADC0509L3E5 / WH-WDG05LE5

Nazwa modelu	WH-ADC0509L3E5 / WH-WDG05LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water
EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:14 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:14 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:14 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW
COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Q _{he}	3483 kWh	4516 kWh
P _{dh} T _j = -15 °C (if TOL	4.90	4.90
COP T _j = -15 °C (if TOL	2.55	2.01
C _{dh} T _j = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η _s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2 °C	5.00 kW	5.00 kW
COP T _j = +2 °C	3.52	2.34
C _{dh} T _j = +2 °C	0.990	0.990
P _{dh} T _j = +7 °C	3.20 kW	3.20 kW
COP T _j = +7 °C	5.71	3.72
C _{dh} T _j = +7 °C	0.980	0.980
P _{dh} T _j = 12 °C	3.00 kW	2.80 kW
COP T _j = 12 °C	7.12	5.49
C _{dh} T _j = +12 °C	0.970	0.970
P _{dh} T _j = T _{biv}	5.00 kW	5.00 kW
COP T _j = T _{biv}	3.52	2.34
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	5.00 kW	5.00 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.52	2.34
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.990	0.990
WTOL	55 °C	55 °C
P _{off}	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	1113 kWh	1565 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	5.00 kW	5.00 kW
SEER	5.14	7.06
Pdc Tj = 35°C	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
Cdc Tj = 25 °C	0.990	0.990
Pdc Tj = 20°C	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
Cdc Tj = 20 °C	0.990	0.990
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	340 kWh	248 kWh

Model WH-ADC0509L3E5UK / WH-WDG05LE5

Nazwa modelu	WH-ADC0509L3E5UK / WH-WDG05LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:14 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:14 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:14 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW
COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Q _{he}	3483 kWh	4516 kWh
P _{dh} T _j = -15 °C (if TOL	4.90	4.90
COP T _j = -15 °C (if TOL	2.55	2.01
C _{dh} T _j = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η _s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2 °C	5.00 kW	5.00 kW
COP T _j = +2 °C	3.52	2.34
C _{dh} T _j = +2 °C	0.990	0.990
P _{dh} T _j = +7 °C	3.20 kW	3.20 kW
COP T _j = +7 °C	5.71	3.72
C _{dh} T _j = +7 °C	0.980	0.980
P _{dh} T _j = 12 °C	3.00 kW	2.80 kW
COP T _j = 12 °C	7.12	5.49
C _{dh} T _j = +12 °C	0.970	0.970
P _{dh} T _j = T _{biv}	5.00 kW	5.00 kW
COP T _j = T _{biv}	3.52	2.34
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	5.00 kW	5.00 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.52	2.34
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.990	0.990
WTOL	55 °C	55 °C
P _{off}	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1113 kWh	1565 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	5.00 kW	5.00 kW
SEER	5.14	7.06
P _{dc Tj = 35°C}	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
C _{dc Tj = 25 °C}	0.990	0.990
P _{dc Tj = 20°C}	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
C _{dc Tj = 20 °C}	0.990	0.990
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	340 kWh	248 kWh

Model WH-ADC0509L3E5AN / WH-WDG05LE5

Nazwa modelu	WH-ADC0509L3E5AN / WH-WDG05LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water
EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:14 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:14 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:14 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
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EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

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El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
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Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

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	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW
COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Q _{he}	3483 kWh	4516 kWh
P _{dh} T _j = -15 °C (if TOL	4.90	4.90
COP T _j = -15 °C (if TOL	2.55	2.01
C _{dh} T _j = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η _s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2 °C	5.00 kW	5.00 kW
COP T _j = +2 °C	3.52	2.34
C _{dh} T _j = +2 °C	0.990	0.990
P _{dh} T _j = +7 °C	3.20 kW	3.20 kW
COP T _j = +7 °C	5.71	3.72
C _{dh} T _j = +7 °C	0.980	0.980
P _{dh} T _j = 12 °C	3.00 kW	2.80 kW
COP T _j = 12 °C	7.12	5.49
C _{dh} T _j = +12 °C	0.970	0.970
P _{dh} T _j = T _{biv}	5.00 kW	5.00 kW
COP T _j = T _{biv}	3.52	2.34
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	5.00 kW	5.00 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.52	2.34
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.990	0.990
WTOL	55 °C	55 °C
P _{off}	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	1113 kWh	1565 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	5.00 kW	5.00 kW
SEER	5.14	7.06
Pdc Tj = 35°C	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
Cdc Tj = 25 °C	0.990	0.990
Pdc Tj = 20°C	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
Cdc Tj = 20 °C	0.990	0.990
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	340 kWh	248 kWh

Model WH-ADC0509L3E5B / WH-WDG05LE5

Nazwa modelu	WH-ADC0509L3E5B / WH-WDG05LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water
EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:14 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:14 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:14 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW
COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Q _{he}	3483 kWh	4516 kWh
P _{dh} T _j = -15 °C (if TOL	4.90	4.90
COP T _j = -15 °C (if TOL	2.55	2.01
C _{dh} T _j = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η _s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2 °C	5.00 kW	5.00 kW
COP T _j = +2 °C	3.52	2.34
C _{dh} T _j = +2 °C	0.990	0.990
P _{dh} T _j = +7 °C	3.20 kW	3.20 kW
COP T _j = +7 °C	5.71	3.72
C _{dh} T _j = +7 °C	0.980	0.980
P _{dh} T _j = 12 °C	3.00 kW	2.80 kW
COP T _j = 12 °C	7.12	5.49
C _{dh} T _j = +12 °C	0.970	0.970
P _{dh} T _j = T _{biv}	5.00 kW	5.00 kW
COP T _j = T _{biv}	3.52	2.34
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	5.00 kW	5.00 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.52	2.34
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.990	0.990
WTOL	55 °C	55 °C
P _{off}	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	1113 kWh	1565 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	5.00 kW	5.00 kW
SEER	5.14	7.06
Pdc Tj = 35°C	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
Cdc Tj = 25 °C	0.990	0.990
Pdc Tj = 20°C	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
Cdc Tj = 20 °C	0.990	0.990
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	340 kWh	248 kWh

Model WH-ADC0509L6E5 / WH-WDG05LE5

Nazwa modelu	WH-ADC0509L6E5 / WH-WDG05LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:14 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:14 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:14 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW
COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Q _{he}	3483 kWh	4516 kWh
P _{dh} T _j = -15 °C (if TOL	4.90	4.90
COP T _j = -15 °C (if TOL	2.55	2.01
C _{dh} T _j = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η _s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2 °C	5.00 kW	5.00 kW
COP T _j = +2 °C	3.52	2.34
C _{dh} T _j = +2 °C	0.990	0.990
P _{dh} T _j = +7 °C	3.20 kW	3.20 kW
COP T _j = +7 °C	5.71	3.72
C _{dh} T _j = +7 °C	0.980	0.980
P _{dh} T _j = 12 °C	3.00 kW	2.80 kW
COP T _j = 12 °C	7.12	5.49
C _{dh} T _j = +12 °C	0.970	0.970
P _{dh} T _j = T _{biv}	5.00 kW	5.00 kW
COP T _j = T _{biv}	3.52	2.34
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	5.00 kW	5.00 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.52	2.34
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.990	0.990
WTOL	55 °C	55 °C
P _{off}	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1113 kWh	1565 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	5.00 kW	5.00 kW
SEER	5.14	7.06
P _{dc Tj = 35°C}	5.00 kW	5.00 kW
EER T _{j = 35°C}	3.23	5.00
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	3.68 kW	3.68 kW
EER T _{j = 30°C}	4.37	6.08
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	2.37 kW	2.86 kW
EER T _{j = 25°C}	6.22	8.76
C _{dc Tj = 25 °C}	0.990	0.990
P _{dc Tj = 20°C}	2.29 kW	2.77 kW
EER T _{j = 20°C}	6.89	9.37
C _{dc Tj = 20 °C}	0.990	0.990
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	340 kWh	248 kWh

Model WH-ADC0509L6E5AN / WH-WDG05LE5

Nazwa modelu	WH-ADC0509L6E5AN / WH-WDG05LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water
EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:14 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:14 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:14 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW
COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Q _{he}	3483 kWh	4516 kWh
P _{dh} T _j = -15 °C (if TOL	4.90	4.90
COP T _j = -15 °C (if TOL	2.55	2.01
C _{dh} T _j = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η _s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2 °C	5.00 kW	5.00 kW
COP T _j = +2 °C	3.52	2.34
C _{dh} T _j = +2 °C	0.990	0.990
P _{dh} T _j = +7 °C	3.20 kW	3.20 kW
COP T _j = +7 °C	5.71	3.72
C _{dh} T _j = +7 °C	0.980	0.980
P _{dh} T _j = 12 °C	3.00 kW	2.80 kW
COP T _j = 12 °C	7.12	5.49
C _{dh} T _j = +12 °C	0.970	0.970
P _{dh} T _j = T _{biv}	5.00 kW	5.00 kW
COP T _j = T _{biv}	3.52	2.34
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	5.00 kW	5.00 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.52	2.34
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.990	0.990
WTOL	55 °C	55 °C
P _{off}	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	1113 kWh	1565 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	5.00 kW	5.00 kW
SEER	5.14	7.06
Pdc Tj = 35°C	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
Cdc Tj = 25 °C	0.990	0.990
Pdc Tj = 20°C	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
Cdc Tj = 20 °C	0.990	0.990
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	340 kWh	248 kWh

Model WH-SDC0509L3E5 / WH-WDG05LE5

Nazwa modelu	WH-SDC0509L3E5 / WH-WDG05LE5
Zastosowanie	ogrzewanie (średnie temp.)
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono
Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW

COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Qhe	3483 kWh	4516 kWh
Pdh Tj = -15°C (if TOL	4.90	4.90
COP Tj = -15°C (if TOL	2.55	2.01
Cdh Tj = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.00 kW	5.00 kW
COP Tj = +2°C	3.52	2.34
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.20 kW	3.20 kW
COP Tj = +7°C	5.71	3.72
Cdh Tj = +7 °C	0.980	0.980

Pdh Tj = 12°C	3.00 kW	2.80 kW
COP Tj = 12°C	7.12	5.49
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.52	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.34
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1113 kWh	1565 kWh

EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	5.00 kW	5.00 kW
SEER	5.14	7.06
Pdc Tj = 35°C	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
Cdc Tj = 25 °C	0.990	0.990
Pdc Tj = 20°C	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
Cdc Tj = 20 °C	0.990	0.990
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	340 kWh	248 kWh

Model WH-SDC0509L6E5 / WH-WDG05LE5

Nazwa modelu	WH-SDC0509L6E5 / WH-WDG05LE5
Zastosowanie	ogrzewanie (średnie temp.)
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono
Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	5.00 kW	5.00 kW
El input	0.99 kW	1.63 kW
COP	5.05	3.07

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	1.55 kW	1.00 kW
Cooling capacity	5.00	5.00
EER	3.23	5.00

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	200 %	142 %
Prated	5.00 kW	5.00 kW
SCOP	5.06	3.63
Tbiv	-10 °C	-10 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.40 kW
COP Tj = -7°C	3.25	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	5.01	3.55
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.60 kW	2.40 kW
COP Tj = +7°C	6.44	4.69
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.28	6.08
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	2.82	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2849 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	128 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.28
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.60 kW	3.60 kW
COP Tj = -7°C	3.53	2.66
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.20 kW	2.20 kW

COP Tj = +2°C	5.20	3.97
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.60 kW	2.50 kW
COP Tj = +7°C	6.59	5.25
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	8.03	6.61
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	4.90 kW	4.90 kW
COP Tj = Tbiv	2.55	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.96	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.50 kW	2.00 kW
Annual energy consumption Qhe	3483 kWh	4516 kWh
Pdh Tj = -15°C (if TOL	4.90	4.90
COP Tj = -15°C (if TOL	2.55	2.01
Cdh Tj = -15 °C	0.990	0.990

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	237 %	168 %
Prated	5.00 kW	5.00 kW
SCOP	6.00	4.27
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.00 kW	5.00 kW
COP Tj = +2°C	3.52	2.34
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.20 kW	3.20 kW
COP Tj = +7°C	5.71	3.72
Cdh Tj = +7 °C	0.980	0.980

Pdh Tj = 12°C	3.00 kW	2.80 kW
COP Tj = 12°C	7.12	5.49
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.52	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.34
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1113 kWh	1565 kWh

EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	5.00 kW	5.00 kW
SEER	5.14	7.06
Pdc Tj = 35°C	5.00 kW	5.00 kW
EER Tj = 35°C	3.23	5.00
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	3.68 kW	3.68 kW
EER Tj = 30°C	4.37	6.08
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.37 kW	2.86 kW
EER Tj = 25°C	6.22	8.76
Cdc Tj = 25 °C	0.990	0.990
Pdc Tj = 20°C	2.29 kW	2.77 kW
EER Tj = 20°C	6.89	9.37
Cdc Tj = 20 °C	0.990	0.990
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	340 kWh	248 kWh

Model WH-ADC0509L3E5 / WH-WDG07LE5

Nazwa modelu	WH-ADC0509L3E5 / WH-WDG07LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water
EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:04 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:04 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:04 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW
COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1483 kWh	1775 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	7.00 kW	7.00 kW
SEER	5.08	6.93
P _{dc Tj = 35°C}	7.00 kW	7.00 kW
EER T _j = 35°C	3.03	4.73
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	5.16 kW	5.16 kW
EER T _j = 30°C	4.48	6.25
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	3.32 kW	3.32 kW
EER T _j = 25°C	6.06	8.07
C _{dc Tj = 25 °C}	1.000	1.000
P _{dc Tj = 20°C}	2.71 kW	3.41 kW
EER T _j = 20°C	6.32	8.78
C _{dc Tj = 20 °C}	1.000	1.000
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	482 kWh	354 kWh

Model WH-ADC0509L3E5UK / WH-WDG07LE5

Nazwa modelu	WH-ADC0509L3E5UK / WH-WDG07LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:04 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:04 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:04 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW
COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1483 kWh	1775 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	7.00 kW	7.00 kW
SEER	5.08	6.93
P _{dc Tj = 35°C}	7.00 kW	7.00 kW
EER T _j = 35°C	3.03	4.73
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	5.16 kW	5.16 kW
EER T _j = 30°C	4.48	6.25
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	3.32 kW	3.32 kW
EER T _j = 25°C	6.06	8.07
C _{dc Tj = 25 °C}	1.000	1.000
P _{dc Tj = 20°C}	2.71 kW	3.41 kW
EER T _j = 20°C	6.32	8.78
C _{dc Tj = 20 °C}	1.000	1.000
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	482 kWh	354 kWh

Model WH-ADC0509L3E5AN / WH-WDG07LE5

Nazwa modelu	WH-ADC0509L3E5AN / WH-WDG07LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:04 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:04 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:04 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW
COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1483 kWh	1775 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	7.00 kW	7.00 kW
SEER	5.08	6.93
P _{dc Tj = 35°C}	7.00 kW	7.00 kW
EER T _{j = 35°C}	3.03	4.73
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	5.16 kW	5.16 kW
EER T _{j = 30°C}	4.48	6.25
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	3.32 kW	3.32 kW
EER T _{j = 25°C}	6.06	8.07
C _{dc Tj = 25 °C}	1.000	1.000
P _{dc Tj = 20°C}	2.71 kW	3.41 kW
EER T _{j = 20°C}	6.32	8.78
C _{dc Tj = 20 °C}	1.000	1.000
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	482 kWh	354 kWh

Model WH-ADC0509L3E5B / WH-WDG07LE5

Nazwa modelu	WH-ADC0509L3E5B / WH-WDG07LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water
EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:04 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:04 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:04 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW
COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	1483 kWh	1775 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	7.00 kW	7.00 kW
SEER	5.08	6.93
Pdc Tj = 35°C	7.00 kW	7.00 kW
EER Tj = 35°C	3.03	4.73
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	5.16 kW	5.16 kW
EER Tj = 30°C	4.48	6.25
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	3.32 kW	3.32 kW
EER Tj = 25°C	6.06	8.07
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	2.71 kW	3.41 kW
EER Tj = 20°C	6.32	8.78
Cdc Tj = 20 °C	1.000	1.000
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	482 kWh	354 kWh

Model WH-ADC0509L6E5 / WH-WDG07LE5

Nazwa modelu	WH-ADC0509L6E5 / WH-WDG07LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:04 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:04 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:04 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW
COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1483 kWh	1775 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	7.00 kW	7.00 kW
SEER	5.08	6.93
P _{dc Tj = 35°C}	7.00 kW	7.00 kW
EER Tj = 35°C	3.03	4.73
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	5.16 kW	5.16 kW
EER Tj = 30°C	4.48	6.25
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	3.32 kW	3.32 kW
EER Tj = 25°C	6.06	8.07
C _{dc Tj = 25 °C}	1.000	1.000
P _{dc Tj = 20°C}	2.71 kW	3.41 kW
EER Tj = 20°C	6.32	8.78
C _{dc Tj = 20 °C}	1.000	1.000
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	482 kWh	354 kWh

Model WH-ADC0509L6E5AN / WH-WDG07LE5

Nazwa modelu	WH-ADC0509L6E5AN / WH-WDG07LE5
Zastosowanie	ogrzewanie + CWU + niskie temp.
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 16147 | Klimat umiarkowany

Declared load profile	L
Efficiency η_{DHW}	148 %
COP	3.61
Heating up time	1:04 h:min
Standby power input	33.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat chłodniejszy

Declared load profile	L
Efficiency η_{DHW}	112 %
COP	2.80
Heating up time	1:04 h:min
Standby power input	36.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 16147 | Klimat cieplejszy

Declared load profile	L
Efficiency η_{DHW}	160 %
COP	4.00
Heating up time	1:04 h:min
Standby power input	28.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	251 l

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono

Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW
COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W

PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Q _{he}	1483 kWh	1775 kWh
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EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
P _{designc}	7.00 kW	7.00 kW
SEER	5.08	6.93
P _{dc Tj = 35°C}	7.00 kW	7.00 kW
EER Tj = 35°C	3.03	4.73
C _{dc Tj = 35 °C}	1.000	1.000
P _{dc Tj = 30°C}	5.16 kW	5.16 kW
EER Tj = 30°C	4.48	6.25
C _{dc Tj = 30 °C}	1.000	1.000
P _{dc Tj = 25°C}	3.32 kW	3.32 kW
EER Tj = 25°C	6.06	8.07
C _{dc Tj = 25 °C}	1.000	1.000
P _{dc Tj = 20°C}	2.71 kW	3.41 kW
EER Tj = 20°C	6.32	8.78
C _{dc Tj = 20 °C}	1.000	1.000
P _{off}	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	482 kWh	354 kWh

Model WH-SDC0509L3E5 / WH-WDG07LE5

Nazwa modelu	WH-SDC0509L3E5 / WH-WDG07LE5
Zastosowanie	ogrzewanie (średnie temp.)
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono
Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW

COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990

Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1483 kWh	1775 kWh

EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	7.00 kW	7.00 kW
SEER	5.08	6.93
Pdc Tj = 35°C	7.00 kW	7.00 kW
EER Tj = 35°C	3.03	4.73
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	5.16 kW	5.16 kW
EER Tj = 30°C	4.48	6.25
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	3.32 kW	3.32 kW
EER Tj = 25°C	6.06	8.07
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	2.71 kW	3.41 kW
EER Tj = 20°C	6.32	8.78
Cdc Tj = 20 °C	1.000	1.000
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	482 kWh	354 kWh

Model WH-SDC0509L6E5 / WH-WDG07LE5

Nazwa modelu	WH-SDC0509L6E5 / WH-WDG07LE5
Zastosowanie	ogrzewanie (średnie temp.)
Jednostki	wewnętrzna, zewnętrzna
Strefa klimatyczna (do ogrzewania)	Klimat cieplejszy, Klimat chłodniejszy
Rewersyjny	Tak
Aplikacja w trybie chłodzenia (opcjonalnie)	+7°C/12°C, +18°C/+23°C
Wszelkie dodatkowe źródła ciepła	n/d

Dane ogólne

Zasilacz	1x230V 50Hz
Produkt pracujący poza godzinami szczytu poboru energii	n/a

Outdoor Air/Water

EN 14511-4 | ogrzewanie

Shutting off the heat transfer medium flow	Zatwierdzono
Complete power supply failure	Zatwierdzono
Defrost test	Zatwierdzono
Starting and operating test	Zatwierdzono

EN 14511-2 | ogrzewanie

	Niskie temperatury	Średnie temperatury
Heat output	7.00 kW	7.00 kW
El input	1.42 kW	2.35 kW
COP	4.93	2.98

EN 14511-2 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
El input	2.31 kW	1.48 kW
Cooling capacity	7.00	7.00
EER	3.03	4.73

EN 12102-1 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat umiarkowany

	Niskie temperatury	Średnie temperatury
η_s	195 %	142 %
Prated	7.00 kW	7.00 kW
SCOP	4.96	3.62
Tbiv	-10 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	6.20 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.83	3.49
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.29	4.66
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	7.92	6.37
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.00 kW	6.20 kW
COP Tj = Tbiv	2.83	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2916 kWh	3991 kWh

EN 12102-1 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat chłodniejszy

	Niskie temperatury	Średnie temperatury
η_s	167 %	129 %
Prated	7.00 kW	7.00 kW
SCOP	4.25	3.29
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.20 kW	4.20 kW
COP Tj = -7°C	3.69	2.77
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.60 kW	2.60 kW

COP Tj = +2°C	4.92	3.81
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	6.39	5.33
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.20 kW	3.30 kW
COP Tj = 12°C	7.50	6.94
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.10 kW	5.70 kW
COP Tj = Tbiv	2.41	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	1.70 kW	2.30 kW
Annual energy consumption Qhe	4060 kWh	5241 kWh
Pdh Tj = -15°C (if TOL	5.70	5.70
COP Tj = -15°C (if TOL	2.64	2.09
Cdh Tj = -15 °C	0.990	1.000

EN 12102-1 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Klimat cieplejszy

	Niskie temperatury	Średnie temperatury
η_s	195 %	178 %
Prated	7.00 kW	6.00 kW
SCOP	6.31	4.52
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.00 kW
COP Tj = +2°C	3.47	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.50 kW	3.90 kW
COP Tj = +7°C	5.95	3.90
Cdh Tj = +7 °C	0.980	0.990

Pdh Tj = 12°C	3.30 kW	3.20 kW
COP Tj = 12°C	7.47	5.83
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.00 kW	6.00 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.47	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	13 W	13 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Energia elektryczna	Energia elektryczna
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1483 kWh	1775 kWh

EN 14825 | chłodzenie

	+7°C/+12°C	□+18°C/+23°C
Pdesignc	7.00 kW	7.00 kW
SEER	5.08	6.93
Pdc Tj = 35°C	7.00 kW	7.00 kW
EER Tj = 35°C	3.03	4.73
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	5.16 kW	5.16 kW
EER Tj = 30°C	4.48	6.25
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	3.32 kW	3.32 kW
EER Tj = 25°C	6.06	8.07
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	2.71 kW	3.41 kW
EER Tj = 20°C	6.32	8.78
Cdc Tj = 20 °C	1.000	1.000
Poff	9 W	9 W
PTO	2 W	2 W
PSB	9 W	9 W
PCK	0 W	0 W
Annual energy consumption Qce	482 kWh	354 kWh